Format No: CP/TF/01

TEST REPORT OF PHYSICAL PROPERTIES OF CEMENT - 53 Grade

Lab ID	:	**CP-2018-08-08-07** **Date: 11-08-2018**
Customer	:	Assistant Executive Engineer, Yelahanka Satellite town Sub Division, BBMP, Bangalore.
Address	:	Yelahanka Satellite town Sub Division, BBMP, Bangalore.
Project Name	:	Construction of RCC Drain at Adithyanagara and Chikkabettahalli in Ward No.03
Agency	:	Sri.G.KishoreNaidu,No.32,Nest to S-HIG-R-6 4th Cross,3rd Main, KHB 5th Phase Yelahanka New Town, Bangalore-64.
Customer's Reference	:	EE(YNK.D)E-PMT-20/W.O/17/2018-19
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	08-08-2018
Sample ID No	:	2018-08-08-07 /01
Sample Type	:	Birla Super 53grade
Reference to BIS codes	:	IS 12269 : 2013, 53 Grade Ordinary Portland cement Specification , IS 4031 (Part 1,2 3,4,5, 6,11):1988 IS 4031 Part 1 DETERMINATION OF FINENESS BY DRY SIEVING, Clause 4.4 IS 4031 Part 2, Determination of Fineness by Blaine Air Permeability Method, Clause 5 IS 4031 Part 3, Determination of Soundness, Clause 5,Clause 6 IS 4031 Part 4, Determination of Consistency of Standard Cement Paste, Clause 5 IS 4031 Part 5, Determination of Initial & Final Setting Time, Clause 5 IS 4031 Part 11,DETERMINATION OF DENSITY , Clause 6
Date of test	:	09-08-2018
Environmental Conditions during test	:	Temperature: 26°C Humidity: 72%

Sl.No.	Physical properties	Results	Requirement as per IS 12269: 2013
1	Fineness by dry sieving (%)	1.29	–
2	Finess by Air permeablity method (m^2/kg,Min)	298.6	225m^2/kg, Min
3	Density (gm/cc)	3.13	–
4	Standard Consistency (%)	29.5%	Not specified
5	Initial Setting time	155 minutes	Not less than 30 minutes
6	Final Setting time	265 minutes	Not more than 600 minutes
7	Soundness (Le Chatelier's Method)	1.0mm	Not more than 10 mm

Note:

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Authorized Signatory
Quality Manager

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TEST REPORT OF PHYSICAL PROPERTIES OF CEMENT - 53 Grade

Lab ID	:	CP-2018-08-08-07 Date: 06-09-2018
Customer	:	Assistant Executive Engineer, Yelahanka Satellite town Sub Division, BBMP, Bangalore.
Address	:	Yelahanka Satellite town Sub Division, BBMP, Bangalore.
Project Name	:	Construction of RCC Drain at Adithyanagara and Chikkabettahalli in Ward No.03
Agency	:	Sri.G.KishoreNaidu,No.32,Nest to S-HIG-R-6 4th Cross,3rd Main, KHB 5th Phase Yelahanka New Town, Bangalore-64.
Customer's Reference	:	EE(YNK.D)E-PMT-20/W.O/17/2018-19
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	08-08-2018
Sample ID No	:	2018-08-08-07 /01
Sample Type	:	Birla Super 53grade
Reference to BIS codes	:	IS 12269 : 2013, 53 Grade Ordinary Portland cement Specification , IS 4031 Part 4, Determination of Consistency of Standard Cement Paste, Clause 5 IS 4031 Part 6, Determination of Compressive Strength, Clause 6
Date of test	:	09-08-2018
Environmental Conditions during test	:	Temperature: 26°C Humidity: 72%

Compressive Strength

SL.No.	Physical properties	Results	Requirement as per IS 12269: 2013
1	3 Days	29.5N/mm^2	Not less than 27 N/mm^2
2	7 Days	39.0N/mm^2	Not less than 37 N/mm^2
3	28 Days	56.5N/mm^2	Not less than 53 N/mm^2

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TEST REPORT ON COARSE AGGREGATES

Lab ID	:	**CP-2018-08-08-07** **Date: 11-08-2018**
Customer	:	Assistant Executive Engineer, Yelahanka Satellite town Sub Division, BBMP, Bangalore.
Address	:	Yelahanka Satellite town Sub Division, BBMP, Bangalore.
Project Name	:	Construction of RCC Drain at Adithyanagara and Chikkabettahalli in Ward No.03
Agency	:	Sri.G.KishoreNaidu,No.32,Nest to S-HIG-R-6 4th Cross,3rd Main, KHB 5th Phase Yelahanka New Town, Bangalore-64.
Customer's Reference	:	EE(YNK.D)E-PMT-20/W.O/17/2018-19
Source of Sample	:	Sample supplied by Agency
Sample condition	:	Satisfactory
Date of Receipt	:	08-08-2018
Sample ID No	:	2018-08-08-07 /02(a)
Sample Type	:	40mm down size coarse aggregate
Reference to BIS codes	:	IS: 383:2016 (Specification for Coarse and fine Aggregates) IS: 2386 :1963(Part - 1,3,4) RA2011 IS 2386 Part 1: Particle Size and Shape IS 2386 Part 3: Specific gravity, Density, Voids,Water Absorption IS 2386 Part 4: Mechanical Properties
Date of test	:	08-08-2018

SIEVE ANALYSIS (PARTICLE SIZE DISTRIBUTION) OF 40MM DOWN COARSE AGGREGATE:

Total weight taken : 15000 grams

Sample No.	Sieve No.	Weight Retained in gms	Cumulative Weight Retained in gms	% Cumulative Weight Retained	% Passing	Required as per IS 383:2016
1	80 mm	0	0	0.0	100	100
2	40 mm	198	198	1.3	98.7	90-100
3	20 mm	6238	6436	42.9	57.1	30-70
4	10 mm	5022	11458	76.4	23.6	10-35
5	4.75 mm	3215	14673	97.8	2.2	0-5
6	Pan	327	15000	100.0	0	---

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TEST REPORT ON COARSE AGGREGATES

Lab ID : **CP-2018-08-08-07** **Date: 11-08-2018**

Sample ID No : 2018-08-08-07 /02(a)

PHYSICAL PROPERTIES

Sl.no	Tests	Result	Requirements as per IS:383-2016
1	Flakiness Index(%)	14.1	Combined Flakiness & Elongation Index Shall not Exceed 40% for Uncrushed & Crushed Aggregate
2	Elongation Index(%)	12.4	
3	Specific Gravity	2.65	–
4	Bulk Density(Loose) (Kg/l)	1.42	–
5	Bulk Density(Compacted) (Kg/l)	1.47	–
6	Water Absorption(%)	0.21	–

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TEST REPORT ON COARSE AGGREGATES

Lab ID	:	**CP-2018-08-08-07** **Date: 11-08-2018**
Customer	:	Assistant Executive Engineer, Yelahanka Satellite town Sub Division, BBMP, Bangalore.
Address	:	Yelahanka Satellite town Sub Division, BBMP, Bangalore.
Project Name	:	Construction of RCC Drain at Adithyanagara and Chikkabettahalli in Ward No.03
Agency	:	Sri.G.KishoreNaidu,No.32,Nest to S-HIG-R-6 4th Cross,3rd Main, KHB 5th Phase Yelahanka New Town, Bangalore-64.
Customer Reference	:	EE(YNK.D)E-PMT-20/W.O/17/2018-19
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	08-08-2018
Sample ID No	:	2018-08-08-07 /02(b)
Sample Type/ Size	:	20mm down size coarse aggregate
Reference to BIS codes	:	IS: 383:2016 (Specification for Coarse and fine Aggregates) IS: 2386 :1963(Part - 1,3,4) RA2011 IS 2386 Part 1: Particle Size and Shape IS 2386 Part 3: Specific gravity, Density, Voids,Water Absorption IS 2386 Part 4: Mechanical Properties
Date of test	:	08-08-2018

SIEVE ANALYSIS (PARTICLE SIZE DISTRIBUTION) OF 20MM DOWN COARSE AGGREGATE:

Total weight taken : 5000 grams

Sample No.	Sieve No.	Weight Retained in gms	Cumulative Weight Retained in gms	% Cumulative Weight Retained	% Passing	Required as per IS 383:2016
1	40 mm	0	0	0	100	100
2	20 mm	266	266	5.3	94.7	90-100
3	10 mm	2377	2643	52.9	47.1	25-55
4	4.75 mm	2088	4731	94.6	5.4	0-10
5	Pan	269	5000	100	0	-

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TEST REPORT ON COARSE AGGREGATES

Lab ID : **CP-2018-08-08-07** **Date: 11-08-2018**

Sample ID No : 2018-08-08-07 /02(b)

PHYSICAL PROPERTIES

Sl.no	Tests	Result	Requirements as per IS:383-2016
1	Flakiness Index(%)	13.7	Combined Flakiness & Elongation Index Shall not Exceed 40% for Uncrushed & Crushed Aggregate
2	Elongation Index(%)	12.5	
3	Specific Gravity	2.63	–
4	Bulk Density(Loose) (Kg/l)	1.47	–
5	Bulk Density(Compacted) (Kg/l)	1.54	–
6	Water Absorption(%)	0.27	–
7	Aggregate crushing Value(%)	23.9	Max 30% for Aggregates to be used in concrete for wearing Surface, In case Aggregate Crushing Value Exceeds 30% then the test for ten percent fines should be conducted for Aggregates to be used in concrete other than for wearing Surface.
8	Aggregate Impact Value(%)	22.5	30% for Aggregates to be used in concrete for wearing Surface, 45% for Aggregates to be used in concrete other than for wearing Surface.

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TEST RESULTS OF STEEL

Lab ID	:	**CP-2018-08-08-07** **Date: 10-08-2018**
Customer	:	Assistant Executive Engineer, Yelahanka Satellite town Sub Division, BBMP, Bangalore.
Address	:	Yelahanka Satellite town Sub Division, BBMP, Bangalore.
Project Name	:	Construction of RCC Drain at Adithyanagara and Chikkabettahalli in Ward No.03
Agency	:	Sri.G.KishoreNaidu,No.32,Nest to S-HIG-R-6 4th Cross,3rd Main, KHB 5th Phase Yelahanka New Town, Bangalore-64.
Customer's Reference	:	EE(YNK.D)E-PMT-20/W.O/17/2018-19
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	08-08-2018
Sample ID No	:	2018-08-08-07 /04
Sample Type	:	Sunvik
Reference to BIS codes	:	IS 1786-2008, IS:1608-2005(RA 2011), IS 1599-2012.
Date of test:	:	09-08-2018

Sl.No	Identification of sample	Grade of the sample	Diameter of the steel bar	Weight of the sample	Yield stress	Tensile strength	Elongation	Bend test	Rebend test
			(mm)	(kg/m)	(N/mm2)	(N/mm2)	(%)		
1	Sunvik	Fe500	8	0.395	529	648	22.0%	Satisfactory	Satisfactory
2	Sunvik	Fe500	10	0.617	549	652	21.0%	Satisfactory	Satisfactory
3	Sunvik	Fe500	12	0.887	559	672	21.0%	Satisfactory	Satisfactory

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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID	:	CP-2018-08-20-07 **Date: 25/08/2018**
Customer	:	Assistant Executive Engineer, Yelahanka Satellite town Sub Division, BBMP, Bangalore.
Address	:	Yelahanka Satellite town Sub Division, BBMP, Bangalore.
Project Name	:	Construction of RCC Drain at Adithyanagara and Chikkabettahalli in Ward No.03
Agency	:	Sri.G.KishoreNaidu,No.32,Nest to S-HIG-R-6 4th Cross,3rd Main, KHB 5th Phase Yelahanka New Town, Bangalore-64.
Customer's Reference	:	EE(YNK.D)E-PMT-20/W.O/17/2018-19
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	20-08-2018
Sample ID No	:	2018-08-20-07 /01
Customer ID	:	Drain Concrete
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M20 / 7 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5
Date of test	:	25/08/2018

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Drain Concrete	M20	18/08/2018	25/08/2018	149.66 X 150.42 X 150.78	22512	8.175	394.0	17.5	17.9
2	Drain Concrete	M20	18/08/2018	25/08/2018	150.69 X 149.63 X 151.24	22548	8.163	403.6	17.9	
3	Drain Concrete	M20	18/08/2018	25/08/2018	150.47 X 150.98 X 150.44	22718	8.155	413.5	18.2	

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TEST REPORT OF CEMENT CONCRETE CUBES

Date: 25/08/2018

Lab ID	:	CP-2018-08-20-07
Customer	:	Assistant Executive Engineer, Yelahanka Satellite town Sub Division, BBMP, Bangalore.
Address	:	Yelahanka Satellite town Sub Division, BBMP, Bangalore.
Project Name	:	Construction of RCC Drain at Adithyanagara and Chikkabettahalli in Ward No.03
Agency	:	Sri.G.KishoreNaidu,No.32,Nest to S-HIG-R-6 4th Cross,3rd Main, KHB 5th Phase Yelahanka New Town, Bangalore-64.
Customer's Reference	:	EE(YNK.D)E-PMT-20/W.O/17/2018-19
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	20-08-2018
Sample ID No	:	2018-08-20-07 /03
Customer ID	:	Drain Concrete
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M20 / 7 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5
Date of test	:	25/08/2018

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Drain Concrete	M20	18/08/2018	25/08/2018	150.37 X 150.79 X 151.27	22674	8.201	394.5	17.4	18.3
2	Drain Concrete	M20	18/08/2018	25/08/2018	149.67 X 150.26 X 151.42	22489	8.163	418.3	18.6	
3	Drain Concrete	M20	18/08/2018	25/08/2018	150.56 X 149.63 X 150.47	22528	8.166	425.8	18.9	

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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID	:	**CP-2018-08-20-07** **Date: 25/08/2018**
Customer	:	Assistant Executive Engineer, Yelahanka Satellite town Sub Division, BBMP, Bangalore.
Address	:	Yelahanka Satellite town Sub Division, BBMP, Bangalore.
Project Name	:	Construction of RCC Drain at Adithyanagara and Chikkabettahalli in Ward No.03
Agency	:	Sri.G.KishoreNaidu,No.32,Nest to S-HIG-R-6 4th Cross,3rd Main, KHB 5th Phase Yelahanka New Town, Bangalore-64.
Customer's Reference	:	EE(YNK.D)E-PMT-20/W.O/17/2018-19
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	20-08-2018
Sample ID No	:	2018-08-20-07 /05
Customer ID	:	Drain Concrete
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M20 / 7 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 25/08/2018

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Drain Concrete	M20	18/08/2018	25/08/2018	151.05 X 151.00 X 149.68	22809	8.176	412.8	18.1	18.1
2	Drain Concrete	M20	18/08/2018	25/08/2018	150.47 X 149.63 X 151.44	22515	8.132	403.0	17.9	
3	Drain Concrete	M20	18/08/2018	25/08/2018	149.86 X 151.23 X 149.53	22663	8.156	417.0	18.4	

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TEST REPORT OF CEMENT CONCRETE CUBES

Date: 15/09/2018

Lab ID	:	CP-2018-08-20-07
Customer	:	Assistant Executive Engineer, Yelahanka Satellite town Sub Division, BBMP, Bangalore.
Address	:	Yelahanka Satellite town Sub Division, BBMP, Bangalore.
Project Name	:	Construction of RCC Drain at Adithyanagara and Chikkabettahalli in Ward No.03
Agency	:	Sri.G.KishoreNaidu,No.32,Nest to S-HIG-R-6 4th Cross,3rd Main, KHB 5th Phase Yelahanka New Town, Bangalore-64.
Customer's Reference	:	EE(YNK.D)E-PMT-20/W.O/17/2018-19
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	20-08-2018
Sample ID No	:	2018-08-20-07 /06
Customer ID	:	Drain Concrete
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M20 / 28 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5
Date of test	:	15/09/2018

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Drain Concrete	M20	18/08/2018	15/09/2018	151.03 X 149.78 X 151.56	22621	8.175	540.6	23.9	23.4
2	Drain Concrete	M20	18/08/2018	15/09/2018	150.23 X 150.47 X 150.36	22605	8.163	508.6	22.5	
3	Drain Concrete	M20	18/08/2018	15/09/2018	151.27 X 149.63 X 150.44	22635	8.152	536.4	23.7	

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ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಯಲಹಂಕ ಉಪನಗರ ಉಪವಿಭಾಗ,
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬೆಂಗಳೂರು-106

M : 9972924526 | Tel : +91 80 23444801 | e : rechan6630@yahoo.co.in, civilproexperts@gmail.com

HIGHWAY & BUILDING MATERIALS TESTING LABORATORY | STRUCTURAL | GEO TECHNICAL | PROJECT MANAGEMENT | SURVEYING SERVICES |

Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID	:	**CP-2018-08-20-07** **Date: 25/08/2018**
Customer	:	Assistant Executive Engineer, Yelahanka Satellite town Sub Division, BBMP, Bangalore.
Address	:	Yelahanka Satellite town Sub Division, BBMP, Bangalore.
Project Name	:	Construction of RCC Drain at Adithyanagara and Chikkabettahalli in Ward No.03
Agency	:	Sri.G.KishoreNaidu,No.32,Nest to S-HIG-R-6 4th Cross,3rd Main, KHB 5th Phase Yelahanka New Town, Bangalore-64.
Customer's Reference	:	EE(YNK.D)E-PMT-20/W.O/17/2018-19
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	20-08-2018
Sample ID No	:	2018-08-20-07 /07
Customer ID	:	Drain Concrete
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M20 / 7 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 25/08/2018

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Drain Concrete	M20	18/08/2018	25/08/2018	151.03 X 151.44 X 150.78	22872	8.163	416.3	18.2	18.5
2	Drain Concrete	M20	18/08/2018	25/08/2018	150.19 X 149.67 X 151.27	22479	8.172	424.9	18.9	
3	Drain Concrete	M20	18/08/2018	25/08/2018	151.02 X 149.82 X 151.75	22626	8.205	416.3	18.4	

Note:
The results pertain to the samples received and tested.
All information furnished by Customer/Representative
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Samples will be disposed after 90 days from the date of issue of test certificate

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R KARTHIK RECHAN
Authorized Signatory
Quality Manager

CIVIL PRO Sig ..... Date ..... BANGALORE

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ಬಿ.ಬಿ.ಎಂ.ಪಿ ಬೆಂಗಳೂರು-೫೬

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Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID	:	**CP-2018-08-20-07** **Date: 15/09/2018**
Customer	:	Assistant Executive Engineer, Yelahanka Satellite town Sub Division, BBMP, Bangalore.
Address	:	Yelahanka Satellite town Sub Division, BBMP, Bangalore.
Project Name	:	Construction of RCC Drain at Adithyanagara and Chikkabettahalli in Ward No.03
Agency	:	Sri.G.KishoreNaidu,No.32,Nest to S-HIG-R-6 4th Cross,3rd Main, KHB 5th Phase Yelahanka New Town, Bangalore-64.
Customer's Reference	:	EE(YNK.D)E-PMT-20/W.O/17/2018-19
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	20-08-2018
Sample ID No	:	2018-08-20-07 /08
Customer ID	:	Drain Concrete
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M20 / 28 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5
Date of test	:	15/09/2018

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Drain Concrete	M20	18/08/2018	15/09/2018	151.36 X 150.47 X 150.98	22775	8.175	507.9	22.3	22.4
2	Drain Concrete	M20	18/08/2018	15/09/2018	150.36 X 150.44 X 150.26	22620	8.169	511.2	22.6	
3	Drain Concrete	M20	18/08/2018	15/09/2018	149.68 X 150.44 X 150.86	22518	8.146	504.4	22.4	

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Authorized Signatory
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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID	:	**CP-2018-08-20-07** **Date: 25/08/2018**
Customer	:	Assistant Executive Engineer, Yelahanka Satellite town Sub Division, BBMP, Bangalore.
Address	:	Yelahanka Satellite town Sub Division, BBMP, Bangalore.
Project Name	:	Construction of RCC Drain at Adithyanagara and Chikkabettahalli in Ward No.03
Agency	:	Sri.G.KishoreNaidu,No.32,Nest to S-HIG-R-6 4th Cross,3rd Main, KHB 5th Phase Yelahanka New Town, Bangalore-64.
Customer's Reference	:	EE(YNK.D)E-PMT-20/W.O/17/2018-19
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	20-08-2018
Sample ID No	:	2018-08-20-07 /09
Customer ID	:	Drain Concrete
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M20 / 7 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5
Date of test	:	25/08/2018

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Drain Concrete	M20	18/08/2018	25/08/2018	151.23 X 150.91 X 149.92	22822	8.268	406.2	17.8	18.1
2	Drain Concrete	M20	18/08/2018	25/08/2018	151.74 X 151.56 X 149.62	22996	8.401	416.2	18.1	
3	Drain Concrete	M20	18/08/2018	25/08/2018	151.83 X 150.23 X 151.20	22809	8.151	419.7	18.4	

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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : CP-2018-08-20-07 **Date: 15/09/2018**

Customer : Assistant Executive Engineer, Yelahanka Satellite town Sub Division, BBMP, Bangalore.

Address : Yelahanka Satellite town Sub Division, BBMP, Bangalore.

Project Name : Construction of RCC Drain at Adithyanagara and Chikkabettahalli in Ward No.03

Agency : Sri.G.KishoreNaidu,No.32,Nest to S-HIG-R-6 4th Cross,3rd Main, KHB 5th Phase Yelahanka New Town, Bangalore-64.

Customer's Reference : EE(YNK.D)E-PMT-20/W.O/17/2018-19

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 20-08-2018

Sample ID No : 2018-08-20-07 /10

Customer ID : Drain Concrete

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M20 / 28 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 15/09/2018

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Drain Concrete	M20	18/08/2018	15/09/2018	150.82 X 150.51 X 150.19	22700	8.132	501.7	22.1	22.7
2	Drain Concrete	M20	18/08/2018	15/09/2018	151.04 X 150.23 X 150.11	22691	8.164	526.4	23.2	
3	Drain Concrete	M20	18/08/2018	15/09/2018	151.92 X 150.16 X 150.72	22812	8.206	520.1	22.8	

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